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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,508	08/04/2006	Yoshio Yoshikuwa	294274US2PCT	2056
22850 7590 01/03/2008 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAMINER	
			NOORI, MAX H	
ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
-			2855	
		•		
		NOTIFICATION DATE	DELIVERY MODE	
			01/03/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

	Application No.	Applicant(s)			
•	10/588,508	YOSHIKUWA ET AL.			
Office Action Summary	Examiner	Art Unit			
·	Max Noori	2855			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
Responsive to communication(s) filed on 2a) ☐ This action is FINAL . 2b) ☐ This 3) ☐ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ⊠ Claim(s) 1-13 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-5 and 9-13 is/are rejected. 7) ⊠ Claim(s) 6-8 is/are objected to. 8) □ Claim(s) are subject to restriction and/or Application Papers 9) □ The specification is objected to by the Examine	vn from consideration. r election requirement.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08)	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa	te			
Paper No(s)/Mail Date <u>8/4</u>	6) 🔲 Other:				

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Art Unit: 2855

DETAILED ACTION

Specification

- 1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.
- 2. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-2, 11, and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakane et al. U.S. Patent Number 6,928,887.

Regarding claim 1, 11, 13, Nakane et al., disclose a torque sensor with features of the claimed invention including a first rotary shaft and a second rotary shaft are disposed on a common axial line coupled together by a torsion bar, and which detects tensional torque applied between them, the sensor comprising:

magnetic field generating means that generates a magnetic field in the radial direction around the common axial line; a magnetic field varying means that varies, in response to the relative rotation between the shafts, and magnetic sensor means to detects the magnetic flux, and generates an output signal whose polarity changes in response to the direction of the detected magnetic flux (col. 5, line 13), and whose magnitude changes in response to the magnitude of the detected magnetic flux (see claim 1).

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Regarding claim 2, Nakane et al., shows ring shaped permanent magnet.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 2-5, 9-10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakane et al..

Regarding claims 3-4, and 10, 12, Nakane et al., does not show a plurality of magnet. But instead he shoes a multipolar magnet, which in practice act as plural magnet. For such similarity, it would have been obvious for a skilled artisan at the time of the invention to modify his device to provide for a plurality of magnets in order to have more handle to the structure and to be able to fine tune the system and therefore, to provide more accurate results.

Regarding claim 5, Naked shows a first and second outer cylinders (ele3ments 14 and 15).

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Regarding claim 9, the magnetic sensor is fixed.

7. Claims 6-8, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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- 8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Max H. Noori whose telephone number is (571) 272-2185. The examiner can normally be reached on Tuesday-Friday from 8:00 AM to 6:00 P.M.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-2800. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. The central fax number is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MHN

Tuesday, December 25, 2007

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